



TRINITY COLLEGE FOR WOMEN NAMAKKAL

DEPARTMENT OF COSTUME DESIGN & FASHION

**PRINCIPLES OF PATTERN MAKING
21UCD01-ODD SEMESTER**

Presented by

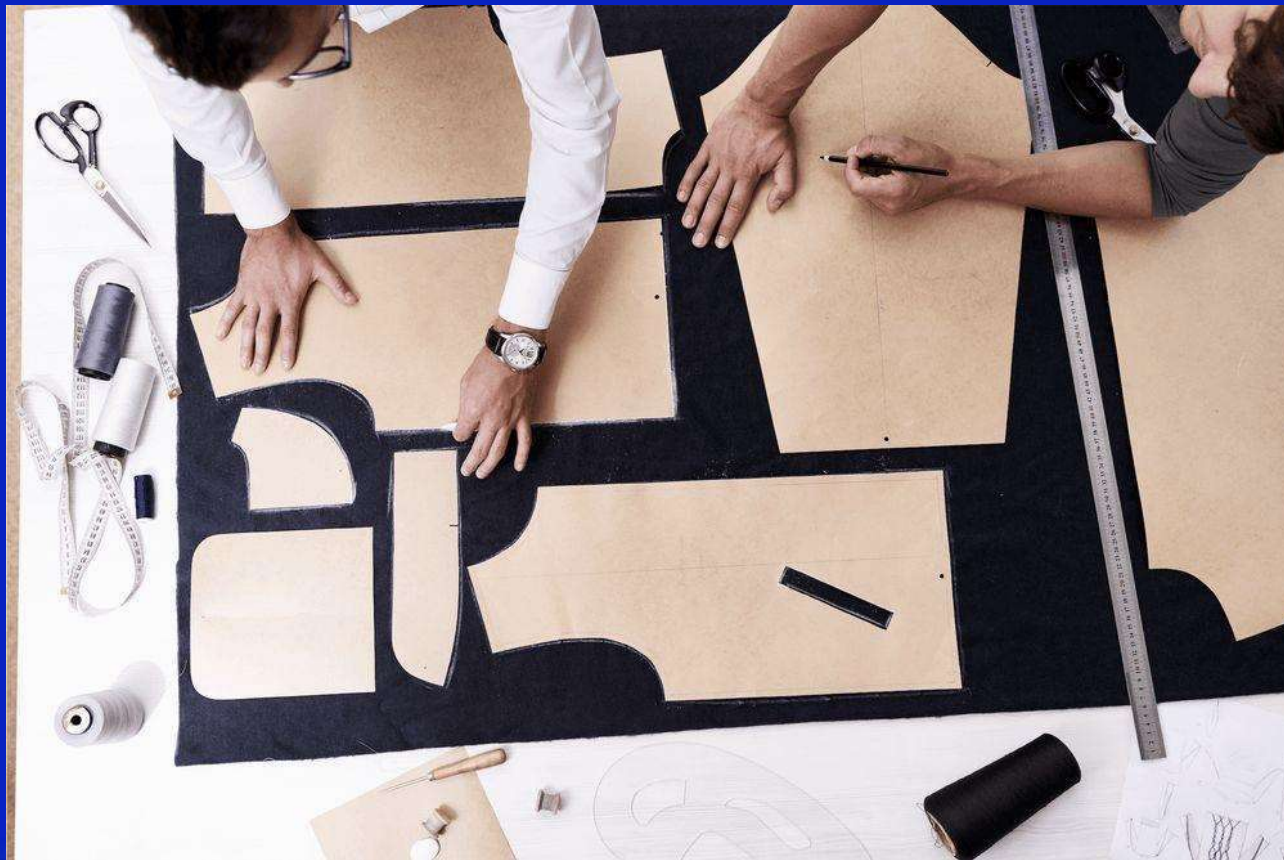
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PRINCIPLES OF PATTERN MAKING



WHAT IS PATTERN MAKING?

Pattern making is the art of designing patterns by making templates from which clothing and craft items can be sewn. A pattern making process actually help to come out with the imagination of designer from the sketching till real product. Pattern makers are also called 'Technical Designers



WHAT IS PATTERN MAKING?

METHODS OF PATTERN MAKING

Here are three techniques at this stage of production, which include:

- **Flat Pattern Drawing.** This method takes a basic pattern and translates it into a 3D shape with muslin fabric, which is then transferred to paper.
- **Drafting.** Drafting is often used to create initial designs.
- **Fashion Draping.**

WHAT IS THE PURPOSE OF PATTERN MAKING?

Patterns are essentially made so that the same style can be easily duplicated when it is needed and multiple pieces can be efficiently made. Pattern making ensures that you don't have to start from scratch while duplicating the patterns.

IMPORTANCE OF PATTERN MAKING

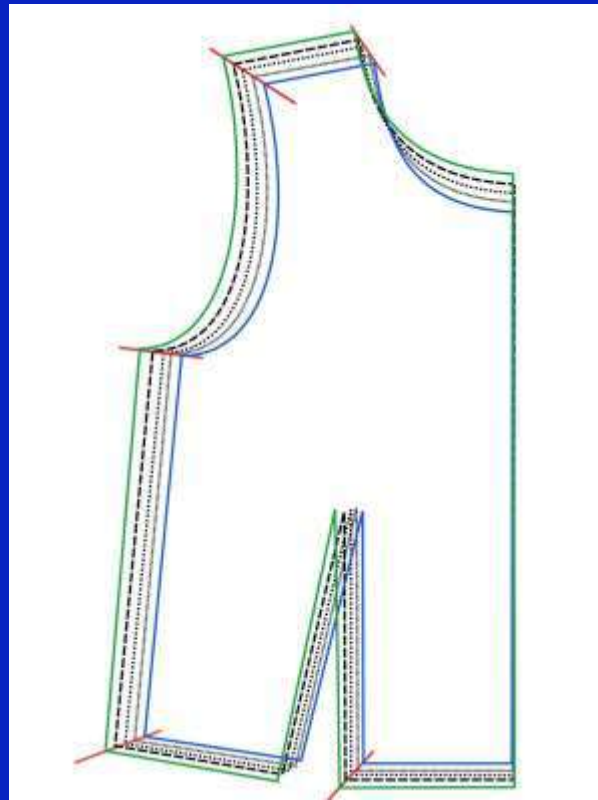
In the garment industry, patterns are used in order to cut the fabric pieces and to make the garment. Patterns are essentially made so that the same style can be easily duplicated when it is needed and multiple pieces can be efficiently made. Pattern making ensures that you don't have to start from scratch while duplicating the patterns. Nowadays, with the technical advancement pattern making can be easily done by using various computer software.

By using these patterns, garment construction can be easily done.



PATTERN GRADING

Pattern grading is the process of turning base size or sample size patterns into additional sizes using a size specification sheet or grading increments. This can be done manually or digitally using computerized pattern drafting software.



METHODS OF PATTERN GRADING

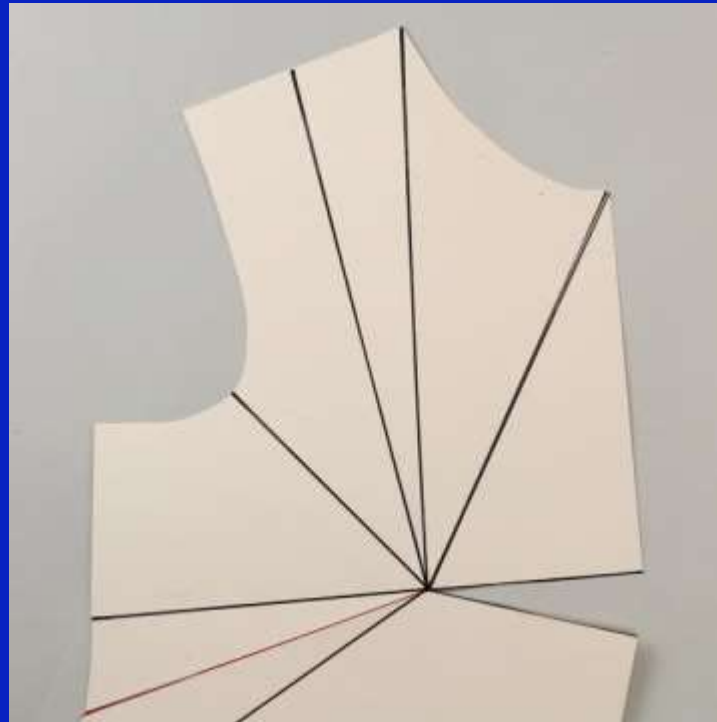
There are three basic methods of pattern grading. There is not a superior method; they are all equally capable of producing a correct garment grade.

These include:

- **Cut and spread:** This is the easiest method, which acts as the basis of the other two methods. To perform this method, you must cut the pattern and spread the pieces by a certain amount to grade up, or overlap the pieces to grade down. The only tools you will need for this method are a pencil, tape, ruler, and scissors.
- **Pattern shifting:** Pattern shifting involves increasing the overall dimensions of a pattern by moving it around at a constant distance. After you move it, you redraw the outline in order to produce the same results as cut-and-spread.
- **Computer grading:** Computer grading is the most recent development in grading technology. It is also the fastest method. It takes the processes of the two former methods and digitizes them.

DART MANIPULATION

Dart manipulation mainly starts with a basic slope, which they then convert into their stylish designs. Darts become princess seams, gathers, tucks or cowls. New styles lines are added or moved, necklines are reshaped. There are three dart manipulation techniques in flat patterns.



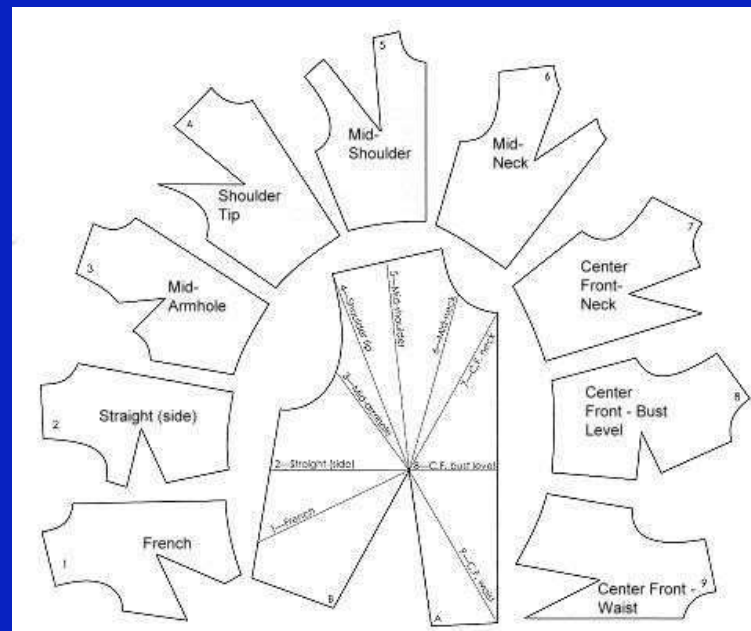
METHODS OF DART MANIPULATION

There are three dart manipulation techniques in flat patterns. These are suitable for manipulate dart to any location. The slash and spread or pivot method mostly use to transfer darts to the bust, neck, armhole or anywhere you want!

Pin and pivotal dart transfer technique.

Slash-spread transfer and overlap technique

Dart equivalent technique



THANK YOU

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